NECHAYEV, G.K., kand.tekhn.nauk; VASIL'YEV, Yu.K., kand.tekhn.nauk; BOGAYENKO, I.N., inzh.; BEREZYUK, B.S., inzh.; SHERMAREVICH, M.G., inzh.

Devices for temperature control in large d.c. machines.

Vest. elektroprom. 33 no.11:31-34 N '62. (MIRA 15:11)

(Electric motors, Direct current)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920016-1"

性實際學

VASIL'YEV, YU.K., PROKOF'YEV, YU.A.

"Step motors with active rotors."

HIME THE

Report submitted to the Second Intl. Congress of the Intl. Federation of Automatic Control, Basel, Switzerland 27 Aug- 4 Sep 1963

A CONTRACTOR OF THE PROPERTY O

VASIL!YEV. YU. K.

32514, Pal\*Tsev. A. G. Pis!mo y redaktsiyu. (Po.povodų stat\*i V. V. Tashchina "Povysit' uroven' tekhnicheskogo proyektirovaniya torfyanykh predpriyatiy" v zhurn.

"Torf. prom-st\*. 1949, No. 6). Torf. rom-st\*, 1949, No. 10, s. 31-32.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44

ephysical l

- 1. PAL'TSEV, A. G.: VASIL'EV, Yu. K.
- 2. USSR (600)
- 4. Peat Industry
- 7. Twenty years' activity of the State Planning Institute "State Institute for the Planning of Peat Industry Plants." Torf. prom., 29 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

VASIL'YEV, Yu.K.

1122 ...

[Preparation of peat fields for extraction] Podgotovka torfianykh mestorozhdenii k ekspluatatsii. Moskva, Gos.energ.izd-vo. 1953. 55 p.

(MLRA 6:7) (Peat industry)

ANTONOV, V.Ya., kand.tekhn.nauk; BEZZUBOV, N.D., kand.tekhn.nauk; BELCKOPYTOV, I.Ye., kand.sel'skokhoz.nauk; BLJUMENBERG, V.V., kand.tekhn.
nauk; BOGDAHOV, N.N., kand.tekhn.nauk; BRAGIN, N.A., inzh.; VASIL'YEV,
Yu.K., inzh.; VINOGHADOV, V.A., inzh.; ROZENBERG, B.I., inzh.; GORGIDZHANYAN, S.A., kand.tekhn.nauk; ZIZA, A.A., kand.sel'skokhoz.nauk;
KALABUKHOV, M.V., agronom-meliorator; KOLOTUSHKIN, V.I., inzh.; KORCHUNOV, S.S., kand.tekhn.nauk; KRYUKOV, M.N., dotsent; VAVULO, V.A., inzh.;
HAUMOV, D.K., kand.tekhn.nauk; OLENIN, A.S., inzh.; PROVORKIN, A.S.,
inzh.; PROKHOROV, N.I., dotsent; RASKIN, G.I., inzh.; SAVENKO, I.V.,
inzh.; SERGEYEV, B.F., kand.tekhn.nauk; STOYLIK, M.A., inzh.; SUKHANOV, M.A., inzh.; TOPOL'NITSKIY, N.M., kand.tekhn.nauk; TYURBANOV, S.N.,
doktor biol.nauk, prof.; FATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk;
TSVETKOV, B.I., inzh.; CHUBAROV, N.D., inzh.; MANDEL'BAUM, A.I., inzh.;
(Continued on next card)

AMTONOV, V.Ya. --- (continued) Card 2.
YARTSEV, A.K.; SAMSONOV, N.N., inzh., glavnyy red.; BERSHADSKIY,
L.S., inzh., nauchnyy red.; VARENTSOV, V.S., kand.tekhn.nauk, nauchnyy red.; VYSOTSKIY, K.P., kand.tekhn.nauk, nauchnyy red.; GORYACHKIN, V.G., prof., nauchnyy red.; YEFIMOV, P.N., kand.tekhn.nauk, nauchnyy red.; KUZHMAH, G.I., kand.tekhn.nauk, nauchnyy red.; KULAKOV, N.N., kand.tekhn.nauk, nauchnyy red.; KUTAIS, L.I., prof., doktor tekhn.nauk, nauchnyy red.; MIRKIN, M.A., inzh., nauchnyy red.; SEMENSKIY, Ye.P., kand.tekhn.nauk, nauchnyy red.; SOKOLOV, A.A., kand.tekhn.nauk, nauchnyy red.; KHAZANOV, Ya.N., dotsent, nauchnyy red.; KHALUGO,
A.K., inzh., nauchnyy red.; TSUPROV, S.A., dotsent, nauchnyy red.; SHTEYNBOK, G.D., inzh., nauchnyy red.; KOLOTUSHKIN, V.I., red.; SKVORTSOV, I.M., tekhn.red.

[Reference book on peat] Spravochnik po torfu. Moskva, Gos.energ. izd-vo, 1954. 728 p. (MIRA 13:7)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat-Handbooks, manuals, etc.)

BAUSIN, A.F.; SOKOLOV, A.A.; ANTONOV, V.Ya.; KURDYUMOV, S.V.; BEL'KEVICH, P.I.; SAVINYKH, A.I.; KARAKIN, F.F.; SOLOPOV, S.G.; YEFIHOV, V.S.; YARIVITSIN, V.I.; RABKIN, B.A.; BABARIN, A.F.; MATVEYEV, L.M.; FUNIKOV, S.A.; CHERNENKOV, D.P.; BULAYEVSKIY, N.V.; kandidat tekhnicheskikh nauk; SHINKARINK, K.K.; TSUPROV, S.A.; GINZHURG, L.N.; VASIL'YEV, Yu.K.

Scientific and technical conference on the work of the pest industry of the Ministry of Electric Pewer Stations. Torf.prom. 32 no.2:1-20 '55. (MLRA 8:5)

1. Zamestitel' ministra elaktrostantsiy (for Bausin). 2. Zamestitel' direktora VNIITP (for Sokolov). 3. Zamestitel' direktora MTI (for Antonov. 4. Zamestitel' direktor "'krniimesttopprom" (for Kurdyumov).
5. Direktor Instituta torfa AN BSSR(for Bel'kevich). 6. Machal'mik Glavenergozapchasti MES(for Savinykh). 7. Glavmyy inzhener Ivanovskego torfetresta (for Karskin). 8. Zamestitel' direktora MTI (for Sele pov) 9. Upravlyayushchiy Shaturskogo torfotresta (for Yarovitsin). 10. Glavmyy mekhanik Invanosvkogo torfotresta (for Yarovitsin). 11. Glavmyy mekhanik Leningradskogo torfotresta (for Rabkin). 12. Glavmyy inzhener Ozeretsko-Neplyuyevskogo torfotresta (for Matveyev). 14 Rukevoditel' laberatorii VNIITP (for Funikov). 15. Glavmyy inzhener tresta Lentorfostroy (for Chernenkev).

(Continued on next card)

# Winning and utilization of peat in Scotland. Torf.prom.33 no.3: 32-33 '56. (MIRA 9:7) 1.Giprotorf. (Scotland--Peat)

YASIL'YEV. Yn.K. inzh., red.; PEVZNER, A.S., red.izd-ve; GUSEVA, S.S., tekhn, red.

> [Reference book on consolidated cost indices for planning and research] Spravochnik ukrupnennykh pokazatelei stoimosti proektnykh i izyskatel'skikh rabot. Vvoditsia v deistvie s l ianvaria 1958 g. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit. Pt.11. [Enterprises of peat industry] Predpriiatiia torfianoi promyshlennosti. 1957. 8 p.

1. Russia (1923- U.S.S.R.). Gosudarstvennyy komitet po delam stroitel'stva.

(Peat industry-Costs)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920016-1"

VASIL'YEV, Yu.K., inzh. Develop the winning of peat in the Ural Mountains and in Western Siberia. Torf. prom. 35 no.5:21-22 '58.

1.Gosudarstvennyy institut po proyektirovaniyu zavodov torfyanoy promyshlennosti.

(MIRA 11:16)

(Ural Mountain region--Peat) (Siberia, Western--Pent)

VASIL'YEV, Ku.K., kand.tekhm.nauk; BOGAYENKO, I.N., insh.

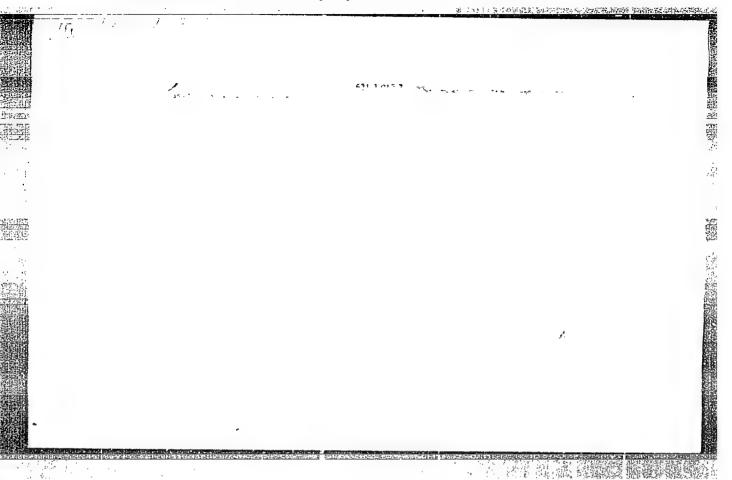
Study of thermal conditions in the operation of heavy rolling mills.

Vest.elektroprom. 33 no.12:32-35 D '62.

(Rolling mills)

(Rolling mills)

Нем 17	design of su D *60.	pports for band		Washinostroitel' no.12 (MIRA 13:12)	:
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12:1316 YEV, YOK

110-3-7/22

AUTHOR: Vasil'yev, Yu.K., Candidate of Technical Sciences

TITLE: Thermal Tests on High-power Alternating Current Motors under Operating Conditions (Teplovyye ispytaniya moshche ill elektrodvigateley peremennogo toka v usloviyakh eksplu - atsii)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Vol.29, No.3, pp. 36 - 39 (USSR).

ABSTRACT. The article describes work carried out by staff of the Kiyev Polytechnical Institute (Kiyevskiy politekhnicheskiy institut), of the Central Asian Polytechnical Institute (Sredne-Aziatskiy politekhnicheskiy institut) and of factories under the leadership of Prof. J.M. Postnikov. Electrical, thermal, ventilating and a number of special tests were node on dozens of motors; the article describes some thermal tests and calculations. The object of the thermal tests was: to establish whether the motors conformed to the standards for temperature rise; to reveal power reserves in respect of temperature rise; establish the highest permissible stator and rotor currents depending on the ambient temperature; to determine the heating time constants of different parts of the machine; to determine the temperature distribution in the stator; Cardl/4

110-3-7/32

The state of the s

Consider the effect of stator heating of changing the field community symplectory motors; and to check various methods of the stator is also themself effectively. In a middle the tests under the stator of the sta

110-7-7/22

Thermal Prote on High-power Alternating Current Paters under Operating Canditions

stator steel 30 - 45 min. and for air ducts 30 - 60 lin.

In synchronous motor excitation thats, it was found that he field current was increased by a factor of from 2 - 0. (so that the rotor losses were increased by 4 to 15 thmss), the increase in the copper, steel and air temperature of the stator was 3 - 8°C. Similar results mone obtained in costs and e on bydro-alternators under the juidance of According the P.F. Mustenko.

Connection between test data and calculations are added to the highest costs when determining steel temperatures. Copper used results when determining steel temperatures. Copper temperatures determined by this rethogogen in good consists the fact data for high-speed matrices. When the loss data for high-speed matrices. The loss is offer and it to perature, the Elektrosile method octamined the factor by in the loss of the cord showed that the factories keys and insufficient above the stowed that the factories keys and insufficient above to the heating and ventilation characteristics of the nation to the heating and ventilation characteristics of the perature sleeting of the slotter of a region of the factor slotter of the perature and ventilation characteristics of the factor of the heating and ventilation characteristics of the factor of the slotter of a region of the factor of the factor

110-3-7/22

Thermal Tests on High-power Alternating Current Motors under Operating Conditions

should indicate the permissible current at various ambient temperatures. The difference between the mean and maximum temperatures can be 10°C or more. It was often found that hot air leaving the machine re-entered it; machines should be designed in such a way that this cannot occur. In some cases, inadequate provision is made for cooling the end windings. Many motors get very dirty in service and should be made with a closed ventilation system.

There are 2 figures, 1 table.

ASSOCIATION: Kiyev Polytechnical Institute (Kiyevskiy politekh-

nicheskiy institut)

AVAILABLE:

Library of Congress

Card 4/4

1. Electric motors-Test methods 2. Electric motors-Test results

3. Blectric motors-Thermal effects

### 

VASIL'YEV, Yu.K., kand. tekhn. nauk; KARPENKO, B.K., kand. tekhn. nauk; KRAVTSOV, O.K., inzh.; MURASHKO, V.A., inzh.; IVANOVA, I.G., inzh.

Direct current motor with printed armature winding.

Energ. i elektrotekh. prom. no.1:25-28 Ja-Mr'64.

(MIRA 17:5)

VASIL'YEV, Yu.K., kand.tehhn.nauk; BOGAYENEO, I.M., inch.

Operational tests of the cooling of large d.o. rolling mills.

Elektrotokhnika 35 no.3:5-9 Nr '64.

(MURA 17.5)

# "APPROVED FOR RELEASE: 08/31/2001

# CIA-RDP86-00513R001858920016-1

L 10228-66 EWT(1)  ACC NR: APC002408 SOURCE CODE: UR/0105/64/000	/010/0020/0023
AUTHOR: Vasil'yev, Yu. K. (Candidate of technical sciences; Kiev)	37
ORG: none 44 55	B
TITIE: Thermal calculation of geared stepping motors 29 44,55	
SOURCE: Elektrichestvo, no. 10, 1964, 20-23	
TOPIC TAGS: electric motor, electric engineering	•
ABSTRACT: The motor analyzed in this paper is an encased four-phase which contains a reactive toothed rotor and a stator having eight sloweight toothed pole-pieces. Each slot has a two-layer lumped control ving. When the motor is running, two phases are always energized. Two sections of each phase are located in opposite slots. A cross-section the motor is shown in the figure, in which the bold lines indicate the windings energized at a given instant. The motor heats up nonuniform when the motor is stopped and the same set of phase windings are draw ourrent. With respect to heating, this is the least favorable mode of operation, and must be considered in designing such motors. The fundamental assumptions made for encased motors are the usual ones with regard to heat dissipation, temperature distribution, and heat transfer Equivalent circuits are shown for the motor and are used to compute to eratures. To simplify computations the equivalent circuits is divided	ts and wind on of sold
Card 1/2 UDC: 621.313.13-133.4	

the casing as a heat shown that	g and mechanical source. A detail these results of the LIPRS	parts as a heat s led numerical examples compare well with	me theory. Orig. a	
SUB CODE:	O9 / SUBN DAT	B: 09Hay64 / OF	IG REF: 005	
				-

VASIL'YEV, Yu.K., kand.tekhn.nauk; PROKOF'YEV, Yu.A., kand.tekhn.nauk; RYEAL'CHENKO, Yu.I., inzh.; LARCHENKO, V.I., inzh.

Stepping reducer motors and semigraphical method for their design. Elektrotekhnika 36 no.12:11-16 D 165.

(MIRA 19:1)

PARTICIA EL PARTICIO DE LA COMPANION DE LA COMP

VASIL'YEV, Yu.K., kand. tekhn. nauk, dotsent (Kiyev)

Precise thermal design of a single-row excitation winding. Elektrichestvo no.6:39-45 Je '65.

(MIRA 18:7)

VASIL'YEV, Yu.K., kand. tekhn. nauk (Kiyev)

Thermal design of reducer-type stepping motors. Elektrichestvo no.10:20-23 0 '64. (MIRA 17:12)

VASIL'YEV, Yu.K., kand. tekhn. nauk (Kiyev); BOGAYENKO, I.N., inzh.

Military Service

Experimental study of the heating and ventilation of the traction motors of main-line electric locomotives. Elektrichestvo no.2:32-37 F 164. (MIRA 17:3)

VASIL'YEV, Yu.K., kand.tekhn.nauk; PROKOF'YEV, Yu.A., kand.tekhn.nauk;
VAYNEERGER, G.Ya., inzh.

Stepping motors with active rotors. Elektrichestvo nc.2:50-56
F '63. (MIRA 16:5)

1. Institut a tomatiki Gosplana UkrSSR.
(Electric motors, Synchronous)

Wooden rollers for belt conveyers. Stroi.i dor.mashinostr. 5 no.7:25-27 J1 60. (MIRA 13:7) (Conveying machinery)

Correction of the Complement of L. and length of the Books of the Books of the Property of the Complement of the Complem

S/582/62/000/008/013/013 D405/D301

AUTHOR: Vasil'yev, Yu. L. (Novosibirsk)

TITLE: Close packed non-group codes

SOURCE: Problemy kibernetiki. no. 8, Moscow, 1962, 337-339

TEXT: A method for construction of close-packed (n,3)-codes is proposed. Unlike similar methods (considered in the references) it yields not only group codes, but also strongly non-group codes (a strongly non-group code is a code which is neither a group code (a strongly non-group code shift). This means that the question whether nor a group-code shift). This means that the question whether strongly non-group codes exist is answered in the affirmative. A lower estimate is given of the ratio of the number of types of strongly non-group (n,3)-codes to the number of all (n,3)-codes. This estimate is expressed by the number

 $2^{2^{n(\frac{1}{2}-\delta)}}$ 

Card 1/2

S/582/62/000/008/013/013 D405/D301

Close packed non-group codes

The strongly non-group code is constructed with the help of a theorem. Several other estimates are derived. Since each (2p + 1,3)-group code is completely determined by its generating functions, whose number does not exceed 2p, it follows that the number of

(2p + 1,3) group codes does not exceed  $c_2^{2p}2p + 1 2^{5p^2}$ .

SUBMITTED: November 13, 1961

Card 2/2

16,7000 (2903)

32823 S/020/62/142/002/001/029 C111/C222

AUTHOR:

Vasil'yev, Yu. L.

TITLE:

Irreducible disjunctive normal forms for certain classes

of truth functions

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 142, no. 2, 1962,

263-265

TEXT: The author examines the relationship between the complexity of an arbitrary irreducible disjunctive normal form (d.n.f)(Ref. 1: S. V. Yablonskiy, Tr. Matex. inst. im. V. A. Steklova AN SSSR, <math>51, 5 (1958)) and the minimal d.n.f. of the function f, taking into consideration dim f (dim f = the maximal dimensions of such subcubes of the unit-cube, for which  $f(x_1, ..., x_n) = 1$ ).

To estimate to what extent the complexity of an irreducible d.n.f. is larger than the complexity of the minimal d.n.f.  $Y(f) = \max \left[ I(T_1)/I(T_2) \right]$  is introduced, where the maximum extends over all pairs of irreducible d.n.f.  $T_1$ ,  $T_2$  of the function f;  $I(T_1)$ ,  $I(T_2)$  denote the number of conjunctives in these d.n.f.'s. One has  $Y(f) \leq 2^{\dim f}$  Card 1/3

32823 S/020/62/142/002/001/029 C111/C222

Theorem: For each integral function  $\mathfrak{F}(n)$ ,  $0 \neq \mathfrak{F}(n) \neq n$ , a function D(n) and a class  $W_{D(n)}$  can be given, so that  $D(n) \sim \mathfrak{F}(n)$  and  $Y(W_{D(n)}) \sim 2^{D(n)}$ . In the proof, the author considers first "superpositions" of irreducible d.n.f., then powers of so called support-functions and, on this basis, constructs functions  $f_n(x_1,\ldots,x_n)$ , for which  $Y(f_n) \to 2^{\dim f_n}$  where  $n \to \infty$ , and din  $f_n$  increases with n, for instance, dim  $f_n > n - \lfloor n/k \rfloor$ , where  $k \geqslant 2$  and is independent of n.

Card 2/3

32823

8/020/62/142/002/001/029

Irreducible disjunctive normal . . . C:11/C222

There are 3 Soviet-bloc references.

ASSOCIATION: Institut matematiki s zychislitel'nym tsentrom Sibirskogo

otdeleniya Akademii nauk SSSR (Institute of Mathematics with Computing Center of the Siberian Department of

the Academy of Science USSR)

PRESENTED: August 12, 1961, by S. L. Sobolev, Academician

SUBMITTED: August 10, 1961

X

Card 3/3

VASIL'IEV, Yu.L. (Novosibirsk)

Ungrouped tightly packed codes. Probl.kib. no.8:337-340 '62.

(MIRA 16:4)

(Information theory)

## "APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920016-1

VASIL'YEV, Yu. L.

Dissertation defended for the degree of Candidate of Physic mathematical Sciences at the Joint Scientific Council on Physicomathematical and Technical Sciences; Siberian Branch

"Comparison of the Complexity of Hinimal and cul-de-Sac Disjunctive Hormal Form."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

#### 

## VASIL'YEV, Yu.L.

Length of a cycle in an n-dimensional unit cube. Dokl.AN SSSR 148 no.41753-756 F 163. (MIRA 16:4)

- 1. Institut matematiki Sibirskogo otdeleniya AN SSSR.

  Predstavleno akademikom S.L.Sobolevym. Dokl.AN SSSR 148 no.4:
  753-756 F 163.

  (MIRA 16:4)
- 1. Institut matematiki Sibirskogo otdeleniya AN SSSR.
  Predstavleno akademikom S.L.Sobolevym.
  (Cybernetics)

8/2582/63/000/010/0006/0061

AUTHOR: Vasil'yev, Yu. L. (Novosibirsk)

TITLE: A comparison of the complexity of blind and minimal disjunctive normal

forms

SOURCE: Problemy\* kibernetiki, no. 10, 1963, 5-61

TOPIC TAGS: cybernetics, automation, control system, automatic control, disjunctive normal form, circuit design, localness, equivalence, monotonicity, error correction

ABSTRACT: The author first defines what is meant by the complexity of the disjunctive normal form (d.n.f.). The concept of "almost minimal" d.n.f. is then discussed, along with the algorithmic difficulties encountered in the synthesis of minimal circuits (the d.n.f. is considered as a control system circuit, whose operation is described by the corresponding function of the algebra of logic). It is pointed out that in the d.n.f. theory many synthesis algorithms are known, all of which give d.n.f. which might be considered "sufficiently simple", the essential point being that this "sufficiency" of simplicity is not of a metric (digital) nature, but of a descriptive nature, connected with a certainnatural, partial ordered state of the d.n.f. The present paper seeks to derive some estimates in response

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to the question: what is the difference between the complexity of "sufficiently simple" and minimal d.n.f.? For a clearer exposition of the problem, the author reviews the basic information with respect to d.n.f., drawing heavily on the work of S. V. Yablonskiy. The terms "localness", "equivalence" and "monotonicity" are discussed and defined. A d.n.f. T is called "blind" (a term introduced by Yablonskiy) if the cancellation of any disjunctive term or any factor in any disjunctive term transforms T into d.n.f. T\*, non-A minimal d.n.f. is blind, but a blind d.n.f. may or may not be minimal. In practice, as a "sufficiently simple" d.n.f., one takes an arbitrary blind · equivalent to T. d.n.f. for a given function f. It is pointed out that the construction of any one blind d.n.f. for a given function f. It is pointed out that the construction of any one blind d.n.f. for a function is a relatively uncomplex matter. The author uses the term "spread" for an arbitrary function f and the nomenclature R(f) for the ratio of the complexity of the maximal d.n.f. of function f to the complexity of its minimal d.n.f. (for any function f, the multiplicity of all its blind d.n.f. is finite; the blind d.n.f. having the greatest complexity is called the maximal d.n.f. of function f). The purpose of this work is to obtain estimates for R(n) = max R(f), where the maximum is taken for all f of n variables, aswell as estimates of R(f) for individual functions f. Thus, the paper seeks to investigate

.2/4

Card.

the difficulties encountered at different individual stages in the synthesis of minimal d.n.f. and to give metric (digital) estimates. The methods developed in this article have been found to be applicable to certain other problems as well, relating to the construction of functions, in which one or another of the metric properties are extremal and which, at first glance, have little in common with the comparison of the complexity of blind and minimal d.n.f. In this way, on the one hand, certain new facts and estimations have been derived in the theory of error-correcting codes and, on the other, there has been constructed in an n-dimensional unit cube a cycle in which the length equals  $2^n$  for  $n = 2^m$ ,

m = 3, 4..., and not less than  $(1 - \mathcal{E}_n) = \frac{2^n - 1}{n}$  for arbitrary  $n, n \ge 3, \binom{n}{n} = 0$  when  $n \to \infty$ 

All the basic results were obtained in the study of another digital characteristic of the functions - the eccentricity Y(f) — rather than directly of R(f). The transition to estimations for R is made only toward the end of the paper. The author makes the point that whatever synthesis algorithm is obtained as "sufficiently simple", it is not excluded that it may be found to be not only not the minimal, but even the maximal d.n.f. of the function f. Thus, comparison of the complexity of these d.n.f. bears on a wide class of synthesis algorithms of "sufficiently simple" d.n.f. The work is devided into 10 sections: 1 - introduction;

. 3/4

Card

2 - general part; 3 - theorem concerning the "superposition" of blind d.n.f.; 4 - estimate of Y(n); 5 - theorem of splitting; 6 - relation between eccentricity and uniformity of functions (first step); 7 - relation between eccentricity and uniformity of functions (second step); 8 - construction of reference sequence; 9 - estimates for R; 10 - some other applications of the theorem of splittings. Each section is provided with a brief introductory statement. A diagram illustrating the interrelation of the individual sections is also provided in the section entitled "Introduction". Orig. art. has: 3 tables, numerous equations and 5 figures.

ASSOCIATION: none

SUBMITTED: 31Jul62

SUB CODE: IE, MA

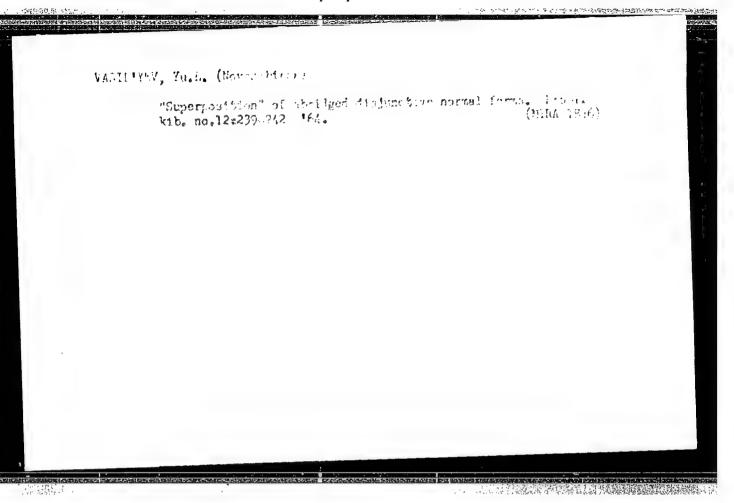
ENCL: 00

NO REF 80V: 015 OTHER: 008

Card .2/ 3

VASIL'YEV, Yu.L. (Novosibirsk) Comparison of the complexity of dead-end and minimal disjunctive normal forms. Probl. kib. no.10:5-6 163.

(MIRA 18:4)



VASIL'YEV, Yu.M.

Stratigraphy of the upper Cretaceous on the Buzachi Peninsula based on Foraminifera. Isv.vys.ucheb.sav.; geol.i razv. 2 no.4:57-67 Ap '59. (MIRA 12:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M.Gubkina. (Buzachi Peninsula--Geology, Stratigraphic) (Foraminifera, Fossil)

15-1957-12-17005

Referativnyy zhurnal, Geologiya, 1957, Nr 12, Translation from:

p 44 (USSR)

AUTHOR:

Vasil'yev, Yu. M.

TITLE:

Young Tectonic Movements in Northern Caspian Region (Molodyye tektonicheskiye dvizheniya v Severnom

Prikaspii)

PERIODICAL:

Tr. Mosk. neft. in-ta, 1955, Nr 14, pp 3-11

ABSTRACT:

Bibliographical entry

Card 1/1

CHARYGIN, M.M.; VASIL'YEV, Yu.M.

Oil prospecting in the Emba region, based on facies and thicknesses of Mesozoic sediments. Geol.nefti 2 no.9:37-44 S 158. (MIRA 11:10)

l.Moskovskiy ordena Trudovogo Krasnogo Znameni neftyanoy institut im. akademika I.M. Gubkina. (Kazakhstan-Petroleum geology)

VASIL'YEV, Yu.M.; KAZAKOV, M.P.; CHARYGIN, M.M.

Gas and oil potentials of the northern Caspian Sea region.

Izv.vys.ucheb.zav.; neft' i gaz. no.7:3-9 '58'. (MIRA 11:11)

1. Moskovskiy neftyanoy institu im. akad. I.M.Gubkina.

(Caspian Sea region—Petroleum geology)

(Caspian Sea region—Gas, Natural—Geology)

3(0)

AUTHORS:

Charygia, H. M., V.mil'gay, Yu. M.

507/20-122-5-42/56

TITLE .

New Data Concerning the Stratigraphy of the Paleogene of the Busachi Peninsula (Novyye dannyye po stratigrafii

paleogena poluostrova Busrchi)

PERIODICAL:

Doklady Abytemii nauk SUSR, 1908, Vol 122, Nr 5,

pp 900 = 901 (USCR)

ABSTRACT:

Study of cores from numerous wells, which have been drilled

in Banichi during the last five years, have shown the presence of microfluma from the Paleocene, Eocene, and Oligocene. (The identifications of foraminifers were made by I.A. Bertel's-Uspennhaya in the Acrological Laboratory of Acrological Expedition Nr 10, All Union Acrological Trust). The Paleocene sediments

grade into the everlying Lower Eccene sediments

(thickness of 5-16 m) without a sharp lithologic break. Under-

lying the Eccene sediments is a 10-12 m thick package of strata consisting of gray-green and red-brown, sandy mach, which is characterized by a special microfaunt containing several foraminifera typical of the

Card 1/4

New Data Concerning the Strictign phy of the Felengene SOV/20-122-5-42/56 of the Busical Pennaul:

Paleocene (Ref 2). Overlying the Lower Eocene is a Missio Borese park, a of light gray and white must containing grains of crystalline and flakey gyrite. Strate of the Globarde lia cressiformis lone of the northern Caucasus, as well as the "white" Mangyshlak suite (Ref :), can be correlated on the basis of the foreminifers found found here. The Hiddle Eccess is 15-32 m thick. Sediments of the Lower and Middle Escape are found in both the southern and eastern parts of the Buzachi peninsula. The most characteristic Paleogene horizon in Buzuchi is a package of celfee-brown clay and mark beds containing numerous fish remains. These beds are called the Rybnaya (fish) suite and serve as a good marker horizon. The age of this herison has been determined as Upper Eccenc (Refs 1 and 2), and it's thickness varies between 30 and 55 m. At the top of the Upper Eccene section is a group of light gray and yellow-white, well cenented muris, which contain grains of pyrite and cituminous material, and which are also believed

Card 2/4

New Data Concerning the Stratigraphy of the Paleogene SCV/20-122-5-42/56 of the Buzachi Perimonla

> to be Upper Eocene. The thickness of these beds varies between 10 and 35 m. The strutigraphic subdivision of the Paleogere of the Buzachi peninsula makes goological mapping possible and helps to locate the large anticlinal structures. This has furthered the secret for oil and its in the region. There . e 2 Soviet references.

ASSUCTATION: Mechanolity and through the provide in. I. w. Eduliana

(Moscow Petroleum Institute imeni I. M. Gubkin)

PRESENTED: April 20, 1000, by S.T. Livemon, indicatesian

SUBMITTED: April 21, 1990

Card 3/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858920016-1"

### "APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920016-1

VASILYEV, YU.M

11(4)

bx

PHASE I BOOK EXPLOITATION

SOV/1492

' Moscow. Neftyanoy institut

Voprosy geologii i dobychi nefti (Problems in Geology and Oil Production) Moscow, Gostoptekhizdat, 1958. 282 p. (Series: Its: Trudy, vyp. 22) 1,300 copies printed.

Exec. Ed.: G.F. Morgunova; Tech. Ed.: A.S. Polosina; Editorial Board: K.F. Zhigach, Professor (Resp. Ed.); I.M. Murav'yev, Professor; A.A. Tikhomirov, Candidate of Economical Sciences; V.I. Yegorov, Candidate of Economical Sciences; M.M. Charygin, Professor; F.F. Dunayev, Professor; N.I. Chernozhukov, Professor; Ye.M. Kuzmak, Professor; I.A. Charnyy, Professor; G.M. Panchenkov, Professor; V.N. Dakhnov, Professor; N.S. Nametkin, Doctor of Chemical Sciences; N.A. Almazov, Docent; V.N. Vinogradov, Candidate of Technical Sciences; V.I. Biryukov, Candidate of Technical Sciences; E.I. Tagiyev, Professor; V.M. Gurevich.

FURPOSE: This book is intended for technical personnel in the oil and gas industries, as well as for instructors and advanced students in petroleum

Card 1/5

Problems in Geology and Oil Products

sov/1492

engineering institutes.

COVERAGE: This collection of articles, written by members of the teaching staff of the Moscow Petroleum Institute imeni I.M. Gubkina, is devoted to a discussion of the geology and production of petroleum, particularly as it applies to the Stalingradskoye Povolzh'ye, the Fredkavkaz'ye, and the Southeastern part of the Russian Platform. The articles include reports on studies in hydrogeology and geophysics, a discussion of problems in directional drilling, and a review of the methodology of oil displacement (dislodging) in porous media through water drive. The articles are accompanied by diagrams, graphs, tables, and bibliographic references.

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- Kazakov, M.P., Yu.M. Vasil'yev, and V.L. Shirokov. Development of the Principles of Tectonics of Predkavkaz'ye and the Southern Periphery of the Russian Platform

Bykov, R.I. Certain Characteristics in the Development of the Southeastern Card 2/5

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AVAILABLE: Library of Congress		
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DOY/11-50-5-5/14

3(5)

Vasil'yev, Tu.M. AUTHOR:

The Justernary Deposits of the Horthern Part of the TITLE:

Caspian Region (Thetwertichnyre otlocheniya Severnogo

Frikaspiya)

Izvestiya Akademii nauk SESR, Seriya goologicheskaya, PERICUICAL:

1959, Nr 5, pp SC-73 (USSR)

ABSTR OT:

The author divides the Justomary fornations of the region north of the Gaspian Sea and between the Volga and Ural rivers into three stages: the Baku, Mazar and Khvalynsk stages, each again divided into substages. The Baku deposits are of raritime and constages. The Baku deposits are of raritine and con-tinental origin. At the time of development, the southern part of the region was covered with sea and the Singil'beds of clay were formed there, where-as in the northern part, subaerial Astrakhan' beds of as in the northern part, subaerial Astrakhan' beds of yellow and brown clay were formed. There are 2 sub-stages. At the beginning of the Phasar stage, in-creased erosion of the region occured. Sea trans-

Card 1/3

BOY/11-50-5-5/19

The Quaternary Deposits of the Morthern Part of the Caspian Re-

gression again occured in the southern part, and in the northern part argillaceous beds were formed on the elevated parts. Shortly after, almost the whole region was covered by a meadow-marshy type soil. At the end of the Fhazar stage, subaerial loess-argillaceous layers were formed, replaced in the southern part by lagoon-type sedimentations. There are 2 substages. There are three substages in the Hhvalynsk stage. In the lower substage - maritime sedimentation beds, covered in the middle substage by formations of muddy salinated beds. In the upper substage, the sea definitely retreated and further sedimentation occured only in river valleys, lagoons and lakes. Traces of crioturbation were found in the Lower and Upper Fhazar beds. In general, all stages are about 15-18 m thick. The following geologists

Card 2/3

SCV/11-59-5-5/14

The Quaternary Deposits of the Horthern Part of the Caspian Re-

are mentioned by the author: P.A. Praveclavlev, M.E. Zhukov, V.A. Hovda, I.P. Gerasimov, P.V. Fedorov, Ye.V. Shantser, V.I. Gromov, H.I. Eikelayev, G.F. Mirchinko, P.A. Hikitin, P.I. Dorofeyev, V.P. Grichuk, A.I. Mockvitin, M.V. Marandeyeva, Yu.Z. Brotskiy, and M.P. Britsyna. There are 1 map, 1 diagram and 23 Soviet references.

ASSOCIATION:

Geologicheskiy institut AN SSSR (The Geologic Institute of the AS UBSR- Moscow)

SUBMITTED:

August 20 1958

Card 3/3

SOV/11-58-12-11/15 AUTHOE: Vasil'yev, Yu.M. TITLE: On the Appearance of Traces of Permafrost Processes in the Quaternary Deposits in the Northern Part of the Caspian Sea Region (O sledakh proyavleniya merzlotnykh protsessov v chetvertichnykh otlozheniyakh Severnogo Prikaspiya) PERTODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 12, pp 110-111 (USSR) ABSTRACT: The author describes the traces of cryoturbation in the Middleand Upper-Quaternary layers near Chërnyy Yar village on the banks of the Volga river, in the northern part of the Caspian Sea region. Repeated findings of wedge-like cryolites embedded in successive layers of that period show that there were four interglacial stages in the Quaternary period. Similar findings were made in other parts of the Russian Plateau There are 2 Soviet references. ASSOCIATION: Geologicheskiy institut AN SSSR, Moskva (The Geological Institute of the AS USSR, Moscow) SUBMITTED: April 22, 1957

Card 1/1

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4.5

VASIL'YEV, Yu. K., Cand Tech Sci -- (diss) "Roller bearings from wood of contour pressing (DP-K) in cast and in lift-transport equipment."

Voronezh, 1960. 15 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Voronezh Forestry Engineering Inst); 150 copies; price not given; (KL, 24-60, 132)

16(1) AUTHOR:

Vasil'yev, Yu.L.

507/20-127-2-2/70

TITLE:

Minimum Contact Circuits for Boole's Functions of Four Variables

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2, pp 242-245 (USSR)

ABSTRACT:

The present paper is a further development of the author's certificate, on the most essential results of which in 1957 S.V. Yablonskiy has reported on the All-Union Congress on All-Relay Systems. The author starts from a catalogue of circuits for functions of four variables (synopsis of the catalogues of /Ref 7 / and /Ref 8 /). Then it is proved that all circuits of the catalogue are minimal. The idea of the proof is as follows: for the number of contacts in all possible realizations of the given function by circuits, a good estimation from below is determined so that this estimation is reached by at least one circuit. Five theorems are given altogether. The author mentions A.A.Markov, and G.N.Povarov.

There are 2 tables, 2 figures, and 11 references, 6 of which are

Soviet, 3 American, and 2 French.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova

(Moscow State University imeni M.V.Lomonosov)

PRESENTED: April 2, 1959, by M.V. Keldysh, Academician

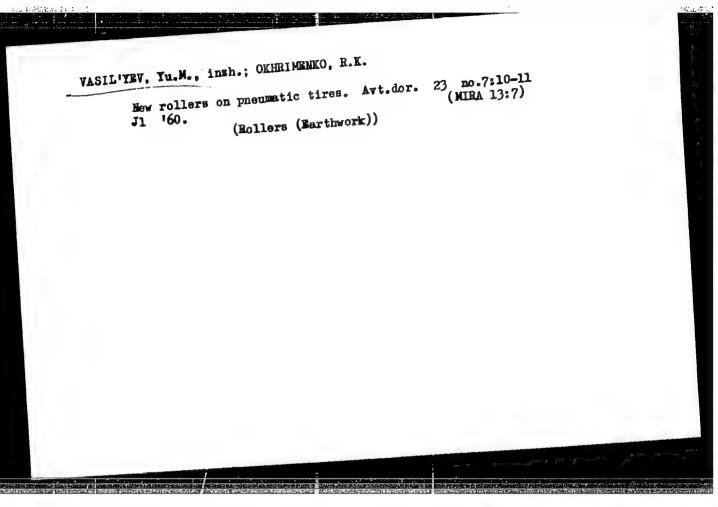
SUBMITTED: March 31, 1959

Card 1/1

VASILITEV, Tu.N., inzhener.

Some problems in the route planning for the Moscow city transportation. Gor.khoz.Mosk.30 no.12:16-18 D '56. (MEMA 10:2)

(Moscow—Traffic engineering)



## "APPROVED FOR RELEASE: 08/31/2001

## CIA-RDP86-00513R001858920016-1

Wechanization of the surface treatment. Avt.dor. 23 no.7:22

Mechanization of the surface treatment. Avt.dor. 23 no.7:22

Mr '60.

(Baltic States--Road machinery)

## VASIL'YEV, Yu. M.

Ability of various normal tissues to stimulate the growth of tumor cells. Vop. onk. 8 no.4:61-67 '62. (MIRA 15:4)

1. Iz otdela kantserogennykh agentov (zav. - chl.-korr. AMN SSSR, prof. L. M. Shabad) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR, prof. N. N. Blokhin). Adres avtora: Moskva, I-110, 3-ya Meshchanskaya, d. 61/2, korp. 2, Institut eksperimental'noy i klinicheskoy onkologii.

(CANCER)

CHUMAKOVA, M.Ya.; VASIL'YEV, Yu.M.; SAVINOV, A.P.; AGOL, V.I.; TSYPKIN, L.B.

Strain of malignant cells obtained through the prolonged cultivation in vitro of normal kidney tissue from mice of the A/SN line. Vop.onk. 8 no.8:51-57 '62. (MIRA 15:9)

1. Iz Instituta po izucheniyu poliomelita i virusnykh entsefalitov (dir. - deystv. chl. AMN SSSR, prof. M.P. Chumakov) i Instituta eksperimental noy i klinicheskoy onkologii (dir. - deystv. chl. AMN SSSR, prof. N.N. Blokhin) Akademii meditsinskikh nauk SSSR. (CANCER) (TISSUE CULTURE) (KIDMEYS)

VASIL'YEV, Yu.M., kand.tekhn.nauk; KHARKHUTA, N.Ya., kand.tekhn.nauk

Rollers on pneumatic tires. Stroi. i dor. mash. 7
no.8:11-12 Ag '62.

(Rollers (Earthwork))

VASIL'YEV, Yu.M.; GEL'SHTEYN, V.I.

Receprocal relations of precancerous changes and reactive proliferation. Vest.AMN SSSR 17 no.6:7-16 '62. (MIRA 15:8)

l. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR. (CARCINOGENESIS)

VASIL'YEV, Yu. M.; KAZAKOV, M. P.; CHARYGIN, M. M.

Prospects of extra-deep drilling in the Caspian Lowland. Razved. i okh. nedr 28 no.5:4-6 My '62. (MIRA 15:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina.

(Caspian Lowland-Boring)

PROSHLYAKOV, B.K.; VASIL'YEV, Yu.M.

Reef formations in the southern Emba region. True (MINKHIGP (MIRA 15:9))

(Emba region—Reefs)

ARABADZHI, M.S.; VASIL'YEV, Yu.M.; MIL'NICHUK, V.S.

Seismic errors in the central and western regions of the Caspian Lowland. Izv. vys. u: heb. zav.; nsft' : gaz 5 (MIRA 17:6)

no.1123-7 '62.

1. Moskovskiy institut neftexhimicheskoy i gezovcy promyshlennosti imeni akademika I.M. Gurkina.

### "APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920016-1

CHARYGIN, M. M.; VASIL'YEV, Yu. M.; KALAMKAROV, L. V.

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

# VASIL'YEV, Yu. M.

Geology - Caspian Depression. Folds (Geology).

On the existence of the buried Hercynian folding in the northern part of the Caspian Depression., Dokl. AN SSSR, 81, No. 5, 1951.

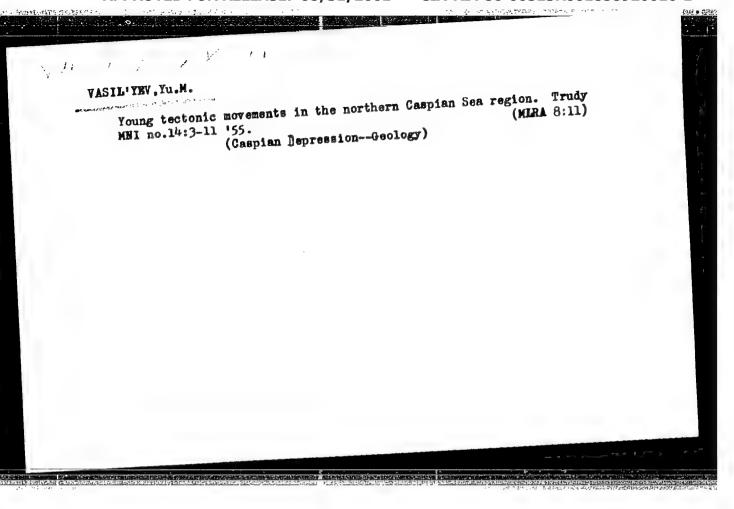
Saratovskiy Gosudarstvennyy Universitet im. N. G. Chernyshevskogo.

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# "APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920016-1



Tectonic structure of the Buzachi peninsula. Dokl. AN
Tectonic structure of the Buzachi peninsula. Dokl. AN
SSSR 110 no.6:1053-1056 0 156.

1. Moskovskiy neftyanoy institut imeni I.M. Gubkina.
Predstavleno akademikoa S.I. Mironovym.
(Busachi Peninsula--Geology, Structural)

VASILITAY, Ya. Mo.

VASILITAY, Ya. Mo.

Uning aerophotographic methods for geological surveying in the UralBrida oil-bearing area. Trudy MNI no.19:113-173 '57. (MIRA 11:1)

(Gaspian Depression-Geology)

(Photography, Asrial)

# VASIL'YEV, Yu.M.

Characteristics of the Kungur facies in the Caspian Sea region as compared to certain features of the couthwestern parts of the Russian Platform. Dokl.AN SSSR 112 no.1:109-112 Ja 157. (MIRA 10:2)

1. Moskovskiy neftyanoy institut imeni I.M.Gubkina. Predstavleno akademikom S.I.Mironovym. (Caspian Sea region—Geology, Stratigraphic)

VASIL YEV, YU.M.

AUTHORS:

Vasil'yev, Yu. M. and Proshlyakov, B. K.

20-5-32/54

TTTLE:

The Petrographic Pecularities of the Carboniferous of the South Emba Upheaval (Petrograficheskiye osobennosti karbona Yuzhno-Embenskogo podnyatiya).

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 5,

pp. 968-970 (USSR)

ABSTRACT:

Recently the question of the character and the origin of the carboniferous deposits which were discovered by bore-holes in the said elevation, were discussed. Some experts were of opinion that these sediments represent typical formations of plateaus which, according to their composition, are very much related to those belonging to the "syneklisis" of Moscow. The petrographical investigations of the rocks by the authors supplied additional material wich permits a critical consideration of the above conclusion. The supercarboniferous lime-stones are conspicuous even in case of a superficial macroscopic observation by their extremely intensive condition of recrystallization and

CARD 1/5

The Petrographic Pecularities of the Carboniferous of the 20-5-32/54 South Emba Upheaval

by their maximum solidification. They are transparent at fine fissures and may be classified among the marble-like lime-stones. The loams occuring in this area are similarly converted, so that they almost entirely lost their aptitude for plastic deformation. The material from the microscopical studies, in comparison to the similar formations of the basin of Moscow, is still of greater interest. There are no pores determinable in the Emba lime-stones, not even in case of 160 X. Substantial differences are also noticed in the structure of both species of lime-stone: The Emba lime stones show a mosaic structure and may be considered as middle crystalline, according to their grainsize (0,08-0,25 mm) Fauna residues are found in the lime stones of both areas. A great number of coral skeletons, "formaniferous" shells, splinters of "Echinoderm" shields, "Ostrakode" shells, etc exist in the "Podol" limes of Moscow. They are well conserved and easily determinable.

CARD 2/5

The Petrographic Pecularities of the Carboniferous of the 20-5-32/54 South Emba Upheaval

Incomparably smaller quantities of these residues are found in the Emba lime. Due to an intensive recrystallization their structure has been largely distorted and deformed, which renders the determination of their belonging to a specific species considerably difficult, if it does not prevent it entirely. Maybe, there once has been a greater number of these residues which have, however, become unrecognizable by recrystallization. It hence follows that the limes of Moscow have not suffered any substantial conversions. On the other hand, there are, moreover, still traces of an arrangement of the initially accidental orientation of particles, as well as of solidification and contraction shrinkage. This proves a strange metamorphization (even if it has not been fully developed) of the carboniferous sediments of the South Emba elevation. In this context, the increased pressure may be considered a leading factor. Presumably, the following paleotectonical conditions of the two areas have also been substantially different from each other. Those of Moscow are typical plateau deposits.

CARD 3/5

The Petrographic Pecularities of the Carboniferous of the 20-5-32/54

The Emba formations of the same age show deviating and divergent features. The listed petrographical pecularities besides the occurence of terrigenous layers of several hundred meters of thickness - do not permit the Emba limes to be considered as typical plateau formations, These formations - on the contrary - were much more closely related to the formation of folds and the zone of "Herzynides" embedded nearly than with the processes which occured at that time in the interior of the Russian plateau. Therefore it would be more correct to consider the South Emba elevation not as a typical plateau formation, but as a peculiar tectonic element which occurs within the range of boundary flexion. A practically important conclusion may be drawn from this: As far as the carboniferous masses occur in this area in solidified and recrystallized condition, their porosity and "collector" properties can scarcely he favorable for the discovery of exploitable petroleum deposits. Maybe there is an analogy with the area of the Aktyubinsk-Ural where all efforts to find exploitable petroleum have

CARD 4/5

The Petrographic Pecularities of the Carboniferous of the 20-5-32/54 South Emba Upheaval

failed up to the present. Perhaps it would be more advisable to consider the "terrigeneous carboniferous masses more carefully. There are 3 figures (5 micro-photographs) and 7 Slavic references.

ASSOCIATION: Moscow-Institute for Potroleum Research imeni I. M.

Gubkin (Moskovskiy neftyanoy institut im. I. M.

Gubkina).

PRESENTED: By D. I. Shcherbakov, Academician, February 28, 1957

SUBMITTED: February 27, 1957

AVAILABLE: Library of Congress

CARD 5/5

History Louick

FAZAKOV, Mikhail Pavlovich; CHARTOIN, Mikhail Mikhaylovich; BYKOV, Risk Washovich; VASIL DIV, Marly Mikhaylovich; ZMAMENSKIY, Vladimir Vyacheslavovich; SWIFUL MULYUKOV, Rusten Bedirovich; POLOSINA, A.S., tekhn. red.

[Tectonics and history of the development of the Caspian Depression and adjacent regions in connection with questions of the presence of gas and petroleum] Tektonicheskoe stroenie i istoriia razvitiia Prikaspiiskoi vpadiny i smezhnykh oblastei v sviazi s voprosami neftegazonosnosti. Pod red. M.P. Kazakova i M.M. Charygina. Moskva. Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 402 p. (MIRA 11:9)

VASIL'YEV, Yu.M.

Oil- and gas-bearing prospects on the Buzachi Peninsula in the light of new data. Izv. vys. ucheb. zav.; geol. i razv. no.2: 94-98 F 58. (MIRA 11:6)

1. Moskovskiy neftyanoy institut im akademika I.M. Gubkina.
(Buzachi Peninsula—Petroleum geology)
(Buzachi Peninsula—Gas, Natural—Geology)

KAZAKOV, M.P.; VASILIYEV, Yu.M.; SHIROKOV, V.Ya.

Development of concepts on the tectonics of Ciscaucasia and the southern boundary of the Russian Platform. Trudy MNI no.22:29-62 (MIRA 12:4)

(Russian Platform-Geology, Structural) (Caucasus, Northern-Geology, Structural)

VASIL'YMV, Yu.M.

Traces of permafrest phenomena in Quaternary sediments of the northern Caspian Sea region. Izv. AN SSSR. Ser. geol. 23 no.12: 110-111 D '58. (MIRA 12:3)

1.Geolegicheskiy institut AN SSSR, Moskva. (Caspian Sea region--Geology, Stratigraphic) (Trezen ground)

**的特殊**的

AUTHOR:

Vasil'yev. Yu. M.

20-119-4-36/60

TITLE:

Inherited Folding Between South Ural and Mangyshlak (Unasledovannaya skladchatost' mezhdu Yuznym Uralom

i Mangyshlakom)

PERIODICAL:

Doklay Akademii Nauk SSSR, 1958, Vol. 119, Nr 4,

pp. 759-762 (USSR)

ABSTRACT:

There is scarcely a problem in geological literature which to such an extent has attracted the attention of geologists as that of the south east framing of the Russian Plateau. The discussion whether the fold system

of the Ural is continued underground, where this continuation lies, and with which known formations

it is conjugated has now lasted for 40 years. The numerous published hypotheses could, however, not solve this problem in consequence of the lacking facts. The last century furnished such material. Hence a structural scheme according to the roof of

Upper Cretaceous could be made (figure 1). This scheme might

be used to investigate several more

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important ifems of the problem. The newest investigations showed that 1) The Ural fold \*ystem ceases neither at the southern end of Mugodzhar , nor in the Chushka-Kul!--zone. It turns to south west, sinks gradually, and can be observed up to the Aul (village) of Ak-Tumsuk and then up to the northern boundaries of Ust -Urt. Moreover, the system is indicated even in the region of the northern Ustimurt. To this continuation correspond the dislocations of the Chushka-Kul Tanne as well as the anticlinals: Aktumsuk and Kurgan, correspond to this continuation in the . 2) Two systems of inherited sedimentary cover structures occur in the region of the peninsula of Buzachi. They do not differ from the dislocations of the Chushka--Kul .- zone and other inherited dislocations of the Uralspihercynian plateau. They reflect obviously the structural main elements of the buried Hercynian fundament which are analogous to those expressed in the Chushka-Kul'-zone of elevations. 3) A new fold system is found at the east coast of Mertvyy Kultuk which is analogous to the above mentioned. These folds are inherited, too, and the last mentioned reflection of

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a folded fundament, apparently also Hercynian, takes also place here. Thus an uninterrupted fold system lies between the south Ural and the Buzachi peninsula (figure 2). The folds are completely analogous in all intermediate zones. Hence can be concluded that these zones are parts of a now buried system of Hercynian folding which, in the shape of a smooth curve, frames the Russian Plateau from the southeast. Between this system and the margin of the plateau lies a thrust-out downwarping in the region of which no continuous, but an interrupted folding is distributed. It is not inherited, or to a very small extent so. The mesocenozoic dislocations in the district of the south Emba elevation are of this kind. (fligure 2). There are 2 figures, none of which are Soviet.

ASSOCIATION:

Moskovskiv neftyanov institut im. I. M. Gubkina (Moscov Petroleum Institute imeni I. M. Gubkin)

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Inherited Folding Between South Ural and Mangyshlak 20-119-4-36/60

PRESENTED:

Movember 12, 1957, by D. I. Shcherbakov, Member, Academy

of Sciences, USSR

SUBMITTED:

November 10, 1957

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VASIL'YEY, Yu.M.; KAZAKOV, M.P.; CHARYGIN, M.M.

[Tectonics, oil and gas potentials, and basic trends in geophysical investigations of the northern Caspian Sea region]
Taktonika, perspektivy gazoneftencenceti i osnovnye nepravleniis geologo-geofizicheskikh isaledovanii v Severnom Prikaspii.

Moskva, Vses.nauchno-issl.in-t prirodnykh gazov, 1959. 49 p.

(Caspian Sea region--Petroleum geology)
(Caspian Sea region--Gas, Natural---Geology)

VASIL'YEV, Yu.M.

Gomparing Quaternary sedimentation in the Caspian Sea region with the glaciation of the East European Plain. Biul.Kom.chetv.per. no.23:91-96 '59. (MIRA 13:4)

(East European Plain-Glacial epoch)

3 (5) AUTHOR:

Vasil'yev, Yu. M.

SOV/20-126-5-38/69

TITLE:

On the Structure and Age of the Syrt Deposits in the South Transvolga Area (O stroyenii i vozraste syrtovykh otlozheniy

yuzhnogo Zavolzh'ya)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 1051 - 1054

(USSR)

ABSTRACT:

In 1951-56, the author had an opportunity of investigating the Syrt deposits (mainly on the basis of material from borings) in the south of the Syrt Plain in the area between the rivers Volga and Ural (south of the Saratov-Ural'sk railroad). He was able to ascertain that the Syrt deposits are little different, by character and age, from analogous masses of the cover formations in the central and southern areas of the European part of the USSR. The opinions of different investigators on their structure are rather contradictory (Refs 3,5,8,10-12). The data obtained by the author complete the scheme suggested by F. P. Savarenskiy (Refs 11,12). The upper part of the mass consists of 2 horizons I and II with an intermediate layer of buried soil (P1). The central part of the Syrt mass (horizon III) is mainly brown-colored. The underlying horizon (IV) has, similar

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On the Structure and Age of the Syrt Deposits in the 80V/20-126-5-38/69 South Transvolga Area

to I and II, fossil soil  $(P_{\chi})$ . Often there is still horizon (V), consisting of sandy clay, lying under (IV). As to the age, the author joins those investigators who classify the Syrt mass to the Quaternary period (Refs 2,4,8,9,11,13). By comparing the horizons of the Syrt deposits with the Kaspiyskiye, it can be observed that the lower horizon of the former (IV) almost lies on the same level with the Astrakhanskiye (Bakinskiye) continental layers, and is made up of the same clays etc. (in agreement with references 2,4,11,14,15). The middle horizon (III) is put into correlation by the author with the lower Khazarskiye layers of the "Prikaspiy" (area near Caspian Sea). Horizon (II) is compared with the Atel'skiye layers, while the top horizon (I) can be easily compared with the lower Khvalynskiy horizon of the Prikaspiy. If the above data are correct, the question may be raised whether the principal mass of the Syrt deposits has formed in the aeolian way. There is no reason why the Syrt mass should be considered an old peculiar geological body unique in its kind. It stands in one line with the other cover formations of the Russkaya ravnina (Russian Plain).

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On the Structure and Age of the Syrt Deposits in the SOV/20-126-5-38/69 South Transvolga Area

There are 16 Soviet references.

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR (Geological Insti-

tute of the Academy of Sciences, USSR)

PRESENTED: February 9, 1959, by A. L. Yanshin, Academician

SUBMITTED: February 9, 1959

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ARMITIA !

BCGACHEVA, M.I.; VASIL'YEV, Yu.M.; PROSHLYAKOV, B.K.; CHARYGIN, M.M.; SHLEYFER, A.G.

Unique Triassic cross section in the Aralsorsk extra-deep borehole (Caspian Lowland). Dokl. AN SSSR 165 no.3:629-632 N 165. (MIRA 18:11)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina. Submitted May 27, 1965.